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CLAIMS

1. A method of automatically locating a table in a document, the method comprising the steps of:

defining a plurality of crops of the document;

for each crop of the document, determining the location of lines whose length is greater than or equal to a predetermined threshold value;

evaluating at least one parameter indicative of the density of said lines; and deciding, based on said at least one evaluated parameter, which one of said plurality of crops includes the location of said table.

- 2. The automatic table-locating method of claim 1, wherein the document is a technical drawing.
- 3. The automatic title-block locating method of claim 2, wherein said plurality of crops correspond to respective corners of the document.
 - 4. The automatic table-locating method of claim 1, wherein:

the evaluating step includes defining groups of said lines, two or more adjacent lines being allocated to a common group if a separation between adjacent ones of said two or more lines is less than a reference value; and

wherein the deciding step includes the step of evaluating at least one parameter of the groups of lines defined for the different crops.

5. The automatic table-locating method of claim 2, wherein:

the evaluating step includes defining groups of said lines, two or more adjacent lines being allocated to a common group if a separation between adjacent ones of said two or more lines is less than a reference value; and

wherein the deciding step includes the step of evaluating at least one parameter of the groups of lines defined for the different crops.

6. The automatic table-locating method of claim 4, wherein the deciding step includes the steps of:

for each crop, evaluating the number of said lines in each group and performing a validation test on the group;

for each crop, designating, as a representative group, the group having the greatest

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number of lines and passing the validation test; and

selecting one of the crops as having the location of the table, the selected crop including the representative group having the greatest number of lines.

- 7. The automatic table-locating method of claim 6, wherein the performing step comprises the step of evaluating a distance of the group from a border on the document.
- 8. The automatic table-locating method of claim 6, wherein the performing step comprises the step of evaluating a separation between adjacent lines within the group.
- 9. The automatic table-locating method of claim 7, wherein the performing step comprises the step of evaluating a separation between adjacent lines within the group.
- 10. The automatic table-locating method of claim 7, further comprising the step of evaluating a sum of thicknesses of said lines for each crop; and wherein, in the event that there is no crop having a representative group with the greatest number of lines, the deciding step includes the steps of:

determining whether there is a crop having an evaluated thickness sum that is significantly greater than a corresponding evaluated thickness sum for the other crops; and

if so, designating that crop as the location of the table and, if not, generating a signal indicative of failure to locate the table.

11. The automatic table-locating method of claim 8, further comprising the step of evaluating a sum of thicknesses of said lines for each crop; and wherein, in the event that there is no crop having a representative group with the greatest number of lines, the deciding step includes the steps of:

determining whether there is a crop having an evaluated thickness sum that is significantly greater than a corresponding evaluated thickness sum for the other crops; and

if so, designating that crop as the location of the table and, if not, generating a signal indicative of failure to locate the table.

- 12. The automatic table-locating method of claim 1, further comprising a preliminary step of verifying the format of the document to be analysed.
- 13. The automatic table-locating method of claim 1, further comprising the step of determining the location of a frame present on the document and defining a border on the

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document.

- 14. The automatic table-locating method of claim 1, wherein the document is an image of a document produced at a reduced resolution.
- 15. The automatic table-locating method of claim 1, wherein the document is a scanned image of a document, and the method further comprises the step of deskewing the scanned image before applying the method.
- 16. Apparatus for automatically locating a table in a document by application of the method according to claim 1.